

Species Tag:	54002	Species Name:	CH2C-13-HCN
Version:	1		Acrylonitrile,
Date:	Jan. 1980		¹³ C isotope
Contributor:	R. L. Poynter		on atom 2
Lines Listed:	117	Q(300.0)=	26662.445
Freq. (GHz) <	178	Q(225.0)=	17318.096
Max. J:	10	Q(150.0)=	9427.576
LOGSTR0=	-8.5	Q(75.00)=	3332.729
LOGSTR1=	-6.5	Q(37.50)=	1178.420
Isotope Corr.:	-1.955	Q(18.75)=	362.911
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	140.023
μ_a =	3.68	A=	48645.
μ_b =	1.25	B=	4948.700
μ_c =		C=	4485.145

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, J. Mol. Spect. **41**, 333.. The measurements were taken from C. C. Costain and B. P. Stoicheff, 1959, J. Chem. Phys. **30**, 77. The dipole moment was assumed to be the same as for the parent species.